Journal of Non-Newtonian Fluid Mechanics, 46 (1993) 357–358
Elsevier Science Publishers B.V., Amsterdam

Contents of Vol. 46

Vol. 46, No. 1

Brownian dynamics simulations of model hard-sphere suspensions
D.M. Heyes and J.R. Melrose (Guildford, UK) 1

Secondary flows in cone and plate flow of an Oldroyd-B fluid
D.O. Olagunju and L.P. Cook (Newark, DE, USA) 29

Flow of an Oldroyd-B fluid between intersecting planes
R.K. Bhatnagar (Greensburg, PA, USA), K.R. Rajagopal and G. Gupta (Pittsburg, PA, USA) 49

The A1 project—an overview
N.E. Hudson (Glasgow, UK) and T.E.R. Jones (Plymouth, UK) 69

Calculation of main flows of a memory-integral fluid in an axisymmetric contraction at high Weissenberg numbers
J.-R. Clermont and M.-E. de la Lande (Grenoble, France) 89

A material function from the vibrating jet
C.F. Chan Man Fong, D. De Kee (Sherbrooke, Que, Canada) and G. Gryte (New York, NY, USA) 111

Book Reviews 121

Announcement 125

Calendar 127

Vol. 46, Nos. 2 + 3

Spatial decay of steady perturbations of plane Poiseuille flow for the Oldroyd-B equation
R.A. Keiller (Cambridge, UK) 129

Entry-flow calculations for the Oldroyd-B and FENE equations
R.A. Keiller (Meudon, France) 143

Rheology of concentrated dispersed systems in a low molecular weight matrix
P. Coussot, A.I. Leonov and J.M. Piau (Grenoble, France) 179

Motion of the yield surface in Bingham fluid with a simple-shear flow geometry
K. Sekimoto (Nagoya, Japan) 219

Elastic free energy of an upper-convected Maxwell fluid undergoing a fully developed planar Poiseuille flow: a variational result
R. Ghisellini (Ferrara, Italy) 229

Comparison of computational efficiency of flow simulations with multicode constitutive equations: integral and differential models
D. Rajagopalan, R.C. Armstrong and R.A. Brown (Cambridge, MA, USA) 243

Improved correlation for shear-dependent viscosity of polyelectrolyte solutions
K.C. Tam (Singapore, Singapore) and C. Tiu (Clayton, Vic., Australia) 275

Simulation of transient viscoelastic flow
H. K. Rasmussen and O. Hassager (Lyngby, Denmark) 289

Mechanical stress relaxation in polymers: fractional integral model versus fractional differential model
Chr. Friedrich (Freiburg i. Br., Germany) 307

Experimental studies of the onset of oscillatory instability in viscoelastic Taylor–Couette flow
S.J. Muller (Berkeley, CA, USA), E.S.G. Shaqfeh (Stanford, CA, USA) and R.G. Larson (Murray Hill, NJ, USA) 315

A new approach to modelling viscoelastic flow
X.F. Yuan, R.C. Ball and S.F. Edwards (Cambridge, UK) 331

Erratum 351

Calendar 353

Subject Index of Vol. 46 355

Author Index of Vol. 46 356

Contents of Vol. 46 357